

Converting Colors

XYZ(11.8776, 10.4472, 17.5243)

Have a look what the booklet for
XYZ(11.8776, 10.4472, 17.5243)
contains.

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Color

**XYZ(11.8584, 10.4620,
17.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	675473
RGB	103, 84, 115
RGB Percent	40%, 33%, 45%
CMY	0.5961, 0.6706, 0.5490
CMYK	0.10, 0.27, 0.00, 0.55
HSL	277°, 16%, 39%
HSV	277°, 27%, 45%
XYZ	11.8584, 10.4620, 17.6140
YIQ	93.2150, 1.3730, 13.6690

Conversions

Conversions Part 2

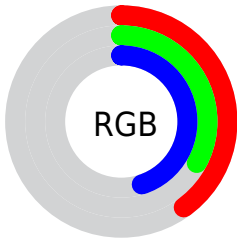
Format	Color
R_{YB}	103, 84, 115
Decimal	6771827
CIE _{Lab}	38.66, 14.24, -14.74
CIE _{LCh}	39, 20.494, 314.025
Yxy	10.4620, 0.2969, 0.2620
Android (android.graphics.Color)	4284961907 (0xFF675473)
YUV	93.2150, 10.7400, 8.5814
Hunter-Lab	32.3450, 8.8383, -9.6458

Details

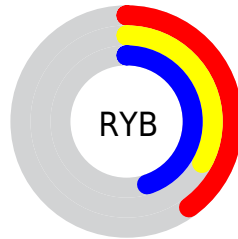
The XYZ color **11.8584, 10.4620, 17.6140** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **12.5551, 15.3885, 10.6965**, and the grayscale version is **10.4304, 10.9736, 11.9503**.

A 20% lighter version of the original color is **28.8266, 26.7102, 40.1955**, and **3.3695, 2.6970, 5.6532** is the 20% darker color. If you saturate the color by 10%, you get **10.5411, 8.5651, 17.3175**, and if you desaturate by 10%, it is **13.3502, 12.6669, 17.9611**.

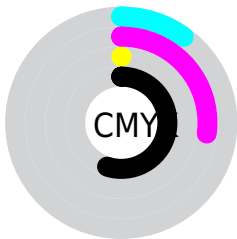
Distribution



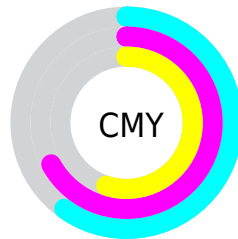
- Red (40%)
- Green (33%)
- Blue (45%)



- Red (40%)
- Yellow (33%)
- Blue (45%)



- Cyan (10%)
- Magenta (27%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (67%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8584, 10.4620, 17.6140 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 11.8584, 10.4620, 17.6140 by changing the saturation by 10% instead.

■ 11.8584, 10.4620,
17.6140

■ 11.8584, 10.4620,
17.6140

197.2547,
193.9384, 250.8489

■ 6.7188, 5.7063,
10.5067

■ 28.8560, 26.6609,
40.1835

■ 3.3317, 2.6673,
5.6262

■ 41.4448, 38.8730,
56.4827

■ 1.3315, 0.9606,
2.5541

■ 57.2474, 54.3393,
76.6830

■ 0.2066, 0.0000,
0.8686

■ 76.6292, 73.4442,
101.2029

■ 0.0000, 0.0000,
0.0000

■ 99.9554, 96.5722,
130.4608

127.5915,

124.1076, 164.8755

159.9028,
156.4349, 204.8653

■ 11.8584, 10.4620,
17.6140

■ 11.8584, 10.4620,
17.6140

■ 10.5411, 8.5651,
17.3175

■ 13.3502, 12.6669,
17.9611

■ 9.3896, 6.9604,
17.0684

■ 15.0224, 15.1921,
18.3604

■ 8.3962, 5.6327,
16.8645

■ 16.8821, 18.0507,
18.8142

■ 7.5519, 4.5646,
16.7028

■ 18.9356, 21.2547,
19.3244

■ 6.8466, 3.7371,
16.5803

■ 21.1889, 24.8155,
19.8929

6.2692, 3.1281,
16.4931

23.6477, 28.7440,
20.5216

5.7933, 2.6855,
16.4328

26.3174, 33.0505,
21.2121

5.6556, 2.5581,
16.4155

29.2033, 37.7451,
21.9662

32.3105, 42.8374,
22.7853

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.5860, 10.4620, 20.2295



11.8584, 10.4620, 17.6140



12.6529, 10.4620, 13.5615

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



11.8584, 10.4620, 17.6140



10.6752, 10.4620, 5.6364



7.6328, 10.4620, 13.2889

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



11.8584, 10.4620, 17.6140



12.5551, 15.3885, 10.6965

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.6519, 10.4620, 9.4660



11.8584, 10.4620, 17.6140



9.3281, 10.4620, 5.5955

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



11.8584, 10.4620, 17.6140



11.9288, 10.4620, 6.9678



8.2473, 10.4620, 6.8398



8.1923, 10.4620, 17.3759

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11.8584, 10.4620, 17.6140



12.7634, 10.4620, 10.8776



8.2473, 10.4620, 6.8398



7.5734, 10.4620, 11.9210

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



11.8587, 10.4624, 17.6142



26.5063, 26.6044, 32.7826



10.9705, 11.5619, 17.8733



6.2295, 6.2042, 7.7982



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8587, 10.4624, 17.6142



19.8096, 16.6701, 31.2181



13.1599, 11.1535, 16.7595



3.6959, 3.6905, 4.6078



6.4411, 2.9118, 18.7651



30.4085, 13.6847, 91.3990

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.3521, 10.8304, 12.5060



20.8898, 17.4688, 20.3411



11.5116, 14.8363, 11.2956



3.7372, 3.7222, 4.1428



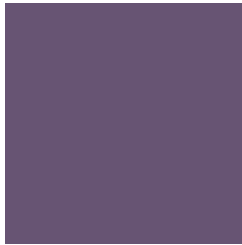
8.6036, 4.3751, 3.1205



41.5336, 21.1636, 13.1394

Previews

White Background



This preview shows how the XYZ color 11.8584, 10.4620, 17.6140 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 11.8584, 10.4620, 17.6140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

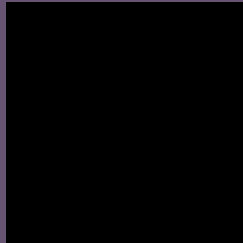
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8584, 10.4620, 17.6140

Background



This preview shows how black text looks on a background with the XYZ color 11.8584, 10.4620, 17.6140.

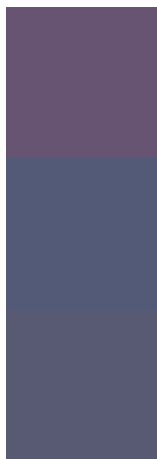


This preview shows how white text looks on a background with the XYZ color 11.8584, 10.4620,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

11.8584, 10.4620, 17.6140

Protanopia

10.5532, 10.4832, 18.9200

Deuteranopia

10.6341, 10.4344, 17.3731



Tritanopia

10.8108, 10.5150, 12.2863

Trichromacy



Original Color

11.8584, 10.4620, 17.6140

Protanomaly

10.9762, 10.4611, 18.5802

Deuteranomaly

10.9597, 10.3585, 17.3413

Tritanomaly

11.1733, 10.5424, 14.0164

Monochromacy



Original Color

11.8584, 10.4620, 17.6140

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.9349, 10.7933, 13.8189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8584, 10.4620, 17.6140 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(103, 84, 115)` looks like.

```
.text, #text, p{  
    color:rgb(103, 84, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(103, 84, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 84, 115) }
```

Border

The CSS property to change the border of an element to XYZ 11.8584, 10.4620, 17.6140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 84, 115) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(103, 84, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(103, 84, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 84, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 84, 115);  
box-shadow:4px 4px 4px 4px rgb(103, 84,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8584, 10.4620, 17.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 84, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(103, 84,  
115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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